Claims

What is claimed is:

1. In an advanced intelligent network, a method for using voice activated dialing (VAD) service with respect to originating a communication from a first calling line number, comprising:

(A) encountering an originating trigger and querying a first network element to obtain instructions for routing the communication, wherein the first network element determines whether a calling line associated with the first calling line number is subscribed to VAD service;

(B) if the calling line is subscribed to VAD service, establishing a call path between the calling line and an intelligent peripheral with voice recognition and processing capabilities, wherein the intelligent peripheral prompts collection of an utterance from the calling line and translates the utterance into identifying information associated with a called line;

(C) receiving a message that includes the identifying information; and

(D) dropping the call path between the calling line and the intelligent peripheral and completing the communication between the calling line and the called line.

2. The method of claim 1, wherein the advanced intelligent network has GR-1129 capabilities.

3. The method of claim 2, wherein the message is from the intelligent peripheral.

4. The method of claim 3, wherein step D further comprises querying the first network element to obtain instructions for routing the communication and providing information about the identifying information to the first network element.

5. The method of claim 1, wherein the intelligent peripheral transmits the identifying information to the first network element via a TCP/IP connection.

6. The method of claim 1, wherein the intelligent peripheral utilizes a mapping database to translate the utterance into the identifying information.

7. The method of claim 1, wherein the identifying information is a second calling line number.

8. The method of claim 1, wherein the identifying information is a called party name.

9. The method of claim 1, wherein the first network element analyzes a call directed to a feature code from the calling line to determine whether the calling line is subscribed to VAD service.

10. The method of claim 1, wherein the call path is a primary rate interface with ISDN signaling.

11. The method of claim 1, wherein the first network element is a service control point serving the calling line.

12. In an advanced intelligent network with GR-1129 capabilities, a system for using voice activated dialing (VAD) service with respect to originating a communication from a first calling line number, comprising:

(A) a first network element being operative to determine that a calling line associated with the first calling line number is subscribed to VAD service;

(B) in connection with the determination, the first network element being operative to instruct a second network element to route the communication to an intelligent peripheral;

(C) the intelligent peripheral being operative to prompt collection of an utterance from the calling line and translate the utterance into identifying information associated with a called line;

(D) upon translation of the utterance, the intelligent peripheral being operative to route the communication to the second network element, including therewith a message containing the identifying information;

(E) the second network element being operative to query the first network element for instructions to route the communication and provide the identifying information to the first network element; and

(F) upon receiving the query from the second network element, the first network element being operative to instruct the second network element to complete the communication between the calling line and the called line.

13. The system of claim 12, wherein the identifying information is a second calling line number.

14. The system of claim 12, further comprising the first network element being operative to analyze a call directed to a feature code from the calling line to determine whether the calling line is subscribed to VAD service.

15. The system of claim 12, further comprising the intelligent peripheral being operative to utilize a mapping database to translate the utterance into the identifying information.

16. The system of claim 12, wherein the first network element is a service control point serving the calling line, the second network element is a service switching point serving the calling line, and the intelligent peripheral is a service circuit node.

17. In an advanced intelligent network with GR-1129 capabilities, a method for preserving billing and interexchange carrier preferences of a subscriber using voice activated dialing (VAD) service with respect to originating a communication from a first calling line number, comprising:

(A) receiving an indication that a calling line associated with the first calling line number has VAD service;

(B) establishing a call path between the calling line and an intelligent peripheral with voice recognition and processing capabilities;

(C) prompting collection of an utterance from the calling line, wherein the utterance is translated into identifying information associated with a called line;

(D) receiving a message from the intelligent peripheral that includes the identifying information and dropping the call path between the calling line and the intelligent peripheral; and

(E) completing the communication between the calling line and the called line.

18. The method of claim 17, wherein the identifying information is a second calling line number.

19. The method of claim 17, wherein step A further comprises receiving a communication directed to a feature code from the calling line.

20. The method of claim 17, wherein step A further comprises analyzing a feature list associated with the calling line and recognizing that the calling line is subscribed to VAD service.

21. The method of claim 17, wherein the call path is a primary rate interface with ISDN signaling.

22. The method of claim 17, wherein step C further comprises using a mapping database to translate the utterance into the identifying information.

23. The method of claim 17, wherein step E further comprises querying a first network element to obtain instructions for routing the communication and providing the identifying information to the first network element.

24. The method of claim 23, wherein step E further comprises instructing a second network element to route the call to the called line.

25. The method of claim 24, wherein the first and second network elements serve the calling line.

26. In an advanced intelligent network, a system for using voice activated dialing (VAD) service with respect to originating a communication from a first calling line number, comprising:

(A) a first network element being operative to determine that a calling line associated with the first calling line number is subscribed to VAD service;

(B) in connection with the determination, the first network element being operative to instruct a second network element to route the communication to an intelligent peripheral;

(C) the intelligent peripheral being operative to prompt collection of an utterance from the calling line and translate the utterance into identifying information associated with a called line;

(D) upon translation of the utterance, the intelligent peripheral being operative to deliver the identifying information to the first network element; and

(E) the first network element being operative to instruct the second network element to route the communication to the called line.

27. The system of claim 26, wherein the identifying information is a second calling line number.

28. The system of claim 26, further comprising the first network element being operative to analyze a call directed to a feature code from the calling line to determine whether the calling line is subscribed to VAD service.

29. The system of claim 26, further comprising the intelligent peripheral being operative to utilize a mapping database to translate the utterance into the identifying information.

30. The system of claim 26, wherein the first network element is a service control point serving the calling line, the second network element is a service switching point serving the calling line, and the intelligent peripheral is a service circuit node.

31. The system of claim 26, wherein the intelligent peripheral delivers the identifying information to the first network element via a TCP/IP connection.

32. In an advanced intelligent network, a method for preserving billing and interexchange carrier preferences of a subscriber using voice activated dialing (VAD) service with respect to originating a communication from a first calling line number, comprising:

(A) receiving an indication that a calling line associated with the first calling line number has VAD service;

(B) establishing a call path between the calling line and an intelligent peripheral with voice recognition and processing capabilities;

(C) prompting collection of an utterance from the calling line, wherein the utterance is translated into a second calling line number associated with a called line;

(D) receiving a message that includes the second calling line number and dropping the call path between the calling line and the intelligent peripheral; and

(E) completing the communication between the calling line and the called line.

33. The method of claim 32, wherein the identifying information is a second calling line number.

34. The method of claim 32, wherein step A further comprises receiving a communication directed to a feature code from the calling line.

35. The method of claim 32, wherein step A further comprises analyzing a feature list associated with the calling line and recognizing that the calling line is subscribed to VAD service.

36. The method of claim 32, wherein step C further comprises using a mapping database to translate the utterance into the identifying information.

37. The method of claim 32, wherein step D further comprises the intelligent peripheral delivering the identifying information to a first network element and the first network element providing routing instructions to a second network element.